Performance Data Sheet

AEA2410YXA

General Information

Model	AEA2410YXA	**Refrigerant**	R-134a
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-40	Btu/h	1020	729	564	478	426	363	245
	Watts	226	220	216	212	209	205	199
	Amps	5.17	5.02	4.94	4.89	4.87	4.84	4.78
	Lb/h	12.6	9.04	6.99	5.92	5.27	4.49	3.01
-35	Btu/h	1140	838	663	568	507	437	312
	Watts	236	232	229	228	226	224	221
	Amps	5.23	5.09	5.01	4.98	4.97	4.96	4.91
	Lb/h	14.1	10.4	8.22	7.04	6.29	5.42	3.86
-30	Btu/h	1290	975	787	680	608	528	394
	Watts	246	243	243	243	244	244	243
	Amps	5.29	5.16	5.10	5.08	5.08	5.08	5.05
	Lb/h	16.0	12.1	9.77	8.44	7.55	6.55	4.88
-25	Btu/h	1470	1140	935	812	727	634	488
	Watts	256	255	256	258	261	263	264
	Amps	5.36	5.23	5.18	5.18	5.19	5.21	5.20
	Lb/h	18.3	14.1	11.6	10.1	9.04	7.88	6.06
-20	Btu/h	1680	1330	1100	963	862	752	592
	Watts	266	267	269	273	278	282	285
	Amps	5.42	5.31	5.27	5.28	5.31	5.34	5.34
	Lb/h	20.8	16.5	13.7	12.0	10.7	9.36	7.36
-15	Btu/h	1910	1530	1290	1130	1010	882	703
	Watts	276	278	283	289	295	301	306
	Amps	5.49	5.39	5.36	5.38	5.42	5.47	5.49
	Lb/h	23.7	19.1	16.1	14.1	12.6	11.0	8.76
-10	Btu/h	2160	1760	1500	1310	1170	1020	821
	Watts	287	291	297	304	312	320	327
	Amps	5.56	5.46	5.45	5.48	5.54	5.60	5.64
	Lb/h	26.9	22.0	18.6	16.4	14.6	12.7	10.2
-5	Btu/h	2430	2010	1710	1510	1340	1160	943
	Watts	299	304	311	320	330	339	348
	Amps	5.62	5.54	5.53	5.58	5.65	5.73	5.78
	Lb/h	30.4	25.1	21.4	18.8	16.7	14.5	11.8

0	Btu/h	2730	2270	1950	1710	1510	1310	1070
	Watts	311	317	326	336	348	359	369
	Amps	5.68	5.61	5.61	5.67	5.76	5.85	5.92
	Lb/h	34.1	28.4	24.4	21.4	18.9	16.4	13.3
5	Btu/h	3030	2550	2190	1920	1690	1470	1190
	Watts	324	331	341	353	366	379	390
	Amps	5.73	5.67	5.68	5.76	5.86	5.97	6.06
	Lb/h	38.0	31.9	27.5	24.1	21.2	18.4	14.9
10	Btu/h	3360	2830	2440	2140	1880	1620	1310
	Watts	338	346	358	371	385	399	412
	Amps	5.78	5.72	5.75	5.83	5.95	6.08	6.18
	Lb/h	42.1	35.6	30.7	26.9	23.6	20.3	16.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.646691E+04	4.525452E+02	1.210317E+01	2.053005E+02
C2	1.177851E+02	1.095366E+00	5.582895E-03	1.492468E+00
C3	-3.378017E+02	-4.942972E+00	-1.747583E-01	-4.207695E+00
C4	7.674271E-01	2.882671E-02	-1.554523E-04	1.006465E-02
C5	-7.947314E-01	1.086326E-02	-4.878258E-05	-1.005788E-02
C6	2.673284E+00	5.108047E-02	1.511848E-03	3.328747E-02
C7	-2.746332E-03	1.617652E-04	-2.284264E-06	-3.180701E-05
C8	-5.515330E-03	-1.566940E-04	2.585252E-07	-7.091390E-05
C9	9.300727E-04	8.432159E-05	1.464976E-06	1.175055E-05
C10	-7.472507E-03	-1.431845E-04	-4.135154E-06	-9.304484E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature